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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,525	09/18/2003	Fred A. Brown	917/192	5853
2101	7590	09/09/2005	EXAMINER	
BROMBERG & SUNSTEIN LLP 125 SUMMER STREET BOSTON, MA 02110-1618			DONOVAN, LINCOLN D	
			ART UNIT	PAPER NUMBER
			2832	
DATE MAILED: 09/09/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/666,525

Applicant(s)

BROWN, FRED A.

AK

Examiner

Lincoln Donovan

Art Unit

2832

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 June 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 17-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 17-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 06-22-07.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 17-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Steingroever et al. [US 4,381,492] in view of Andrews [US 3,158,797] and Aiello et al. [US 6,124,776].

Regarding claims 1-4, Steingroever et al. discloses a magnetizing fixture for connection to an electrical power supply comprising:

- first and second electrical connections [7a, 7b] to the power supply;
- an electrically conductive structure having a plurality of electrically conductive elements and an electrically conductive top [9, figure 3], each element having a first end coupled to one of the first and second electrical connectors and each element having a second end coupled to the electrically coupled top [figure 2]; and
- insulating sleeves isolating the conductors from the channels.

Steingroever et al. disclose everything claimed except the top of the conductive structure being "connected" to the conductive top and the core being within the interior of the magnetizer.

Regarding claims 17-19 and 21-22 Andrews discloses a magnetizer having a solid conductive member [figures 12, 13] having a top portion connected to a core portion [figures 10-11].

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It would have been obvious to one of ordinary skill in the art at the time the invention was made to use the connection design of Andrews for the conductive structure of Steingroever et al. in order to rigidly mount the conductive structure on the core.

Steingroever et al., as modified, disclose everything claimed except the core being within the interior of the magnetizer.

Aiello et al. discloses a magnetizer [figure 1] having a core within an interior of a magnetizing conductive structure [figure 3b].

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the core design of Steingroever et al., as modified, to have the core within the interior portion of the magnetizer in order to magnetize differing types of structures.

Regarding claim 20, Steingroever et al., as modified, disclose everything claimed except the insulation coating the conductive core.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have the insulation coat the conductive core in order to prevent short circuiting of the conductive structure.

Regarding claim 23, Steingroever et al., as modified, disclose everything claimed except the solder being silver solder.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use silver solder for the solder of Steingroever et al., as

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modified, in order to improve the electrical connection between the power supply and the terminals.

***Allowable Subject Matter***

Claims 1-8 are allowed.

***Response to Arguments***

Applicant's arguments filed 06-22-05 have been fully considered but they are not persuasive.

Applicant argues that the magnetically permeable conductive core [70] of Aiello does not explicitly show an insulator between the conductive element and the conductive core. Aiello teaches the use of a core element within the interior of the conductive element, as claimed. The conductors would have to be insulated in order to provide the flux path shown in figure [3b]. Aiello also shows an airgap, 82, providing an insulating portion.

***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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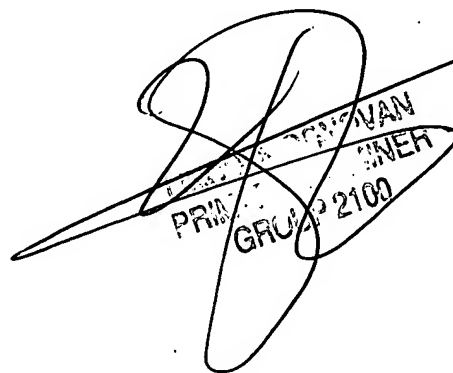
the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lincoln Donovan whose telephone number is 571-272-1988. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ldd



A handwritten signature, possibly 'L. Donovan', is written over a circular stamp. The stamp contains the text 'LINCOLN DONOVAN', 'PRIM', 'GROUP 2100', and 'EXNER'.